

## ABSTRACT

The present invention provides a gas detection method and detection apparatus that provide better sensitivity and faster recovery after response  
5 than conventional gas detection methods and apparatus, by improving on these conventional methods and apparatus. The present invention is a gas detection method, in which the target gas is detected while oxygen is supplied to a sensor element 11a of a metal oxide-type gas sensor 11, wherein the target gas is detected while water vapor is supplied to the sensor element 11a,  
10 and is also a gas detection apparatus equipped with an oxygen supply means 14 for supplying oxygen to a sensor element 11a of a metal oxide-type gas sensor 11, said gas detection apparatus being provided with a water vapor supply means 15 for supplying water vapor to the sensor element 11a.